

Warm Up: p. 403 #26, 30, 36

Have HW out on desk!

p. 403 #26, 30, 36

②⑥  $p = 0.125$   $n = 12$

binom

①  $P(X=0) = 0.2014$

②  $P(X \geq 2) = 0.4533$

③  $P(X=3) + P(X=4) = 0.1707$

④  $P(X \leq 4) = 0.9887$

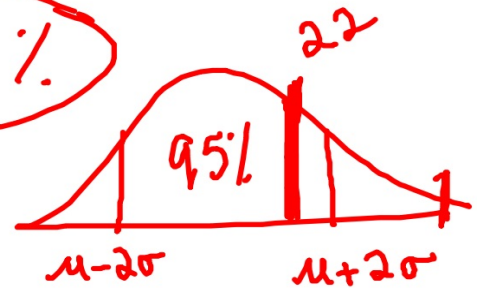
③⑤ a)  $\mu_x = 18.75$   
 $\sigma_x = 4.05$

b)  $np = 150(0.125) \neq 10$   
 $nq = 150(0.875)$

c)  $P(x=22) = 6.75\%$

$\mu \pm 2\sigma = 26.85$

not uncommon



36  $p=0.2$  deficient

a) geom  $P(X=8) = 0.0419$

b) binom  $p=0.8$   
 $n=10$   $P(X=10) = 0.1074$

c) geom  $p=0.2$   $E(X) = 1/0.2 = 5$

d)  $n=50$   
 $p=0.2$  binom  $\mu_x = 10$   
 $\sigma_x = 2.828$

e)  $n=320$   
 $p=0.2$   
check  $\checkmark$   $P(X \leq 50) = 0.0252$

Complete Ch. 17 classwork!

Start of Review:

p. 405 #1 -- 4

**\*\* finish for HW\*\***